

**Region 3 Plan Summary
Huntington-Ashland, West Virginia Ozone Area**

Title: Maintenance Plan for the Huntington-Ashland, West Virginia Ozone Area

Federal Register Dates: September 6, 1994, 59 FR 45980 (proposed rule); December 21, 1994, 59 FR 65719 (final rule); November 27, 2001, 66 FR 59205 (proposed rule- revision); February 8, 2002, 67 FR 5953 (final rule- revision); February 10, 2004, 69 FR 6224 (proposed rule-revision), 69 FR 6160 (final rule- revision).

EPA Effective Date: December 21, 1994; revised, effective March 11, 2002; revised, effective April 12, 2004.

State Submittal Date: November 12, 1992; revisions submitted on August 10, 1994, November 29, 2001, December 18, 2001, and October 15, 2003.

Affected Areas: Cabell and Wayne Counties

Summary of the Plan: Mobile sources provided the most pollutant reductions. Reductions in the Ashland area were the result of the same permanent and enforceable reductions as those experienced in the Huntington area. The maintenance plan must provide for maintenance of the relevant NAAQS in the area for at least 10 years after redesignation. A revision of the SIP submitted within 8 years after the original redesignation request was approved to provide for maintenance of the NAAQS for an additional 10 years following the initial 10 year period.

The period covered by the state of West Virginia's maintenance plan SIP revision is 1990-2005 inclusive. The maintenance demonstration shows that future emissions of a pollutant or its precursors will not exceed the level of the attainment emissions inventory for a period of 10 years following the initial redesignation. The projected inventory considers future growth, including population and industry.

Emissions Budgets:

Initial EPA Approved Emissions Budgets (December 21, 1994)			
Huntington (Cabell/Wayne)	1993 Base Year	All emissions in Tons/Day	
POINT SOURCES:		1993	2005
	VOC	12.59	11.41
	CO	23.73	22.89
	NOx	15.85	14.27

Huntington AREA SOURCES: (includes off- highway mobile)			
		1993	2005
	VOC	16.95	16.99
	CO	50.83	53.67
	NOx	13.36	13.63
Huntington HIGHWAY MOBILE (MOBILE 5 model) SOURCES:			
		1993	2005
	VOC	10.07	11.00
	CO	79.48	71.25
	NOx	10.32	11.43
Huntington TOTAL (man-made)		1993	2005
	VOC	39.62	39.40
	CO	154.04	147.81
	NOx	39.52	39.33

Revised Emissions Budgets using MOBILE6 (EPA Effective Date: April 12, 2004)					
		1993 Base	All emissions in Tons/Day		
POINT SOURCES:		1993	2005		
	VOC	12.6	11.4		
	CO	23.7	22.9		
	NOx	15.9	14.3		
Huntington AREA SOURCES: (includes off-		1993	2005		
	VOC	17.0	17.0		
	CO	50.8	53.7		
	NOx	13.4	13.6		
Huntington HIGHWAY MOBILE (MOBILE6 model) SOURCES:					Huntington DAQ Adopted MOBILE6 Budget
				Safety Margin	
		1993	2005		
	VOC	13.0	6.5	6.9	
	CO	143.5	71.4	na	
	NOx	13.0	10.2	3.7	13.9

Huntington					
TOTAL		1993	2005	2005-Base	2005 total
(man-made)	VOC	42.5	34.9	7.6	41.8
	CO	218.1	147.9	na	147.9
	NOx	42.2	38.1	4.1	41.8

Control Measures: Between 1988 and 1990 in Huntington, VOC emissions were reduced by 1.1 tons per day(tpd) (3.3 tpd from 1988-1993). NOx emissions were reduced by 0.3 tpd (0.7 tpd from 1988-1993). These reductions occurred because of permanent and enforceable measures. Most of these reductions came from the introduction of newer and cleaner cars as a result of the Federal Motor Vehicle Control Program (FMVCP) and also mandatory lowering of gasoline volatility. Specifically, the actual gasoline volatility expressed as Reid Vapor Pressure decreased from 10.5 psi in 1988 to 9.5 psi in 1990. The volatility then decreased to 9.0 psi in 1992.

Motor Vehicle Emissions Budgets (MVEBs): The SIP revision also revises the MVEBs applicable in Cabell and Wayne Counties for 2002 and 2005 by reallocating some of the projected excess emission reductions from the point and area sources located in those counties. In the originally approved maintenance plan, total VOC emissions in 2002 are projected to be 2.47 tons per day (TPD) below the 1993 attainment year inventory, and total NOx emissions in 2002 are projected to be 2.31 TPD lower than the 1993 attainment inventory. In 2002, EPA approved a revision to this maintenance plan to use a portion of these excess emission reductions (1.98 TPD for VOC and 1.76 TPD for NOx) to increase the MVEBs applicable in Cabell and Wayne Counties. For the year 2005, the MVEB for VOC will be increased from 9.02 TPD to 11.0 TPD and for NOx the MVEB will be increased from 9.66 TPD to 11.43 TPD.

Contingency Measures: In the event that exceedances of the ozone NAAQS are measured such that nonattainment is indicated in any of the areas or in the event that periodic emission inventory updates or major permitting activity reveals that excessive or unanticipated growth in ozone precursor emissions has occurred or will occur, West Virginia will accordingly select and adopt measures including the following to assure continued attainment:

1. Extend applicability of 45CSR21 (VOC\RACT rule) to include source categories previously excluded.
2. Revised new source permitting requirements requiring more stringent emission control technology and/or emissions offsets
3. NOx RACT requirements
4. Stage II Vapor Recovery
5. Regulations to establish plant-wide emission caps (potentially with emissions trading provisions).

6. Implementation of basic (or enhanced) programs for motor vehicle inspection and maintenance.

7. Marine tank vessel loading operations

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